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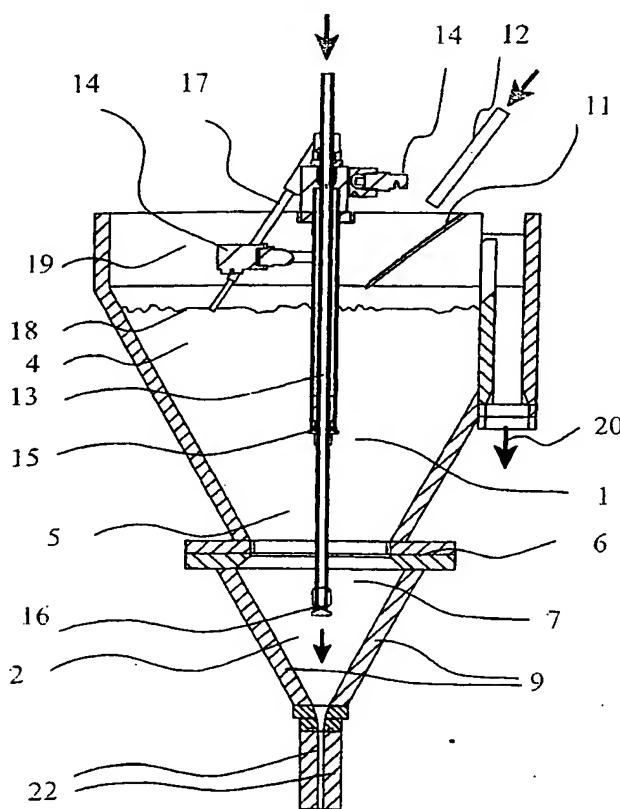
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(54) Title: DEVICE FOR A CONTINUOUSLY OPERATED DILUTING OF A SLURRY SAMPLE



(57) **Abstract:** This invention relates to a device for a continuously operated dilution of a slurry sample, through which device the slurry sample is fed directly into a continuously operated optical analyzer, such as a grain size analyzer. The device comprises elements for feeding the slurry sample, elements for feeding diluting liquid and elements for removing solids contained in the slurry, as well as elements for discharging both the liquid contained in the slurry and the liquid used for dilution. The device of the invention comprises at least one downwardly narrowing chamber (2,31) that is connected to the analyzer measurement cell (3, 34) so that two opposite walls (10, 32) of the chamber (2, 31) are essentially parallel both with respect to each other and with respect to the respective walls (21, 35) of the measurement cell (3, 34).

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